

**Amendments to th Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (cancelled)

2. (cancelled)

3. (cancelled)

4. (cancelled)

5. (cancelled)

6. (cancelled)

7. (cancelled)

8. (currently amended) A medical data transfer system interfacing an implantable medical device comprising a hemodynamic monitor providing cardiac pressure data with a remote center, comprising:

an information remote monitor operable to establish wireless communication with the implantable medical device to obtain cardiac pressure data readings for a patient;

an external pressure reference device operable to obtain external barometric pressure data, <sup>adapted to be, capable of being</sup> correlated with patient cardiac pressure data obtained by said information remote monitor and adapted to be coupled to said information remote monitor to enable correction of cardiac pressure data;

said information remote monitor, upon confirming that the external pressure reference device is coupled thereto, operating to accessing obtain implantable medical device cardiac pressure data, downloading download external barometric pressure data from the external pressure reference device, and the data to produce corrected cardiac pressure data based on the barometric pressure data, initiate transmission, over a communication link of implantable medical device, of cardiac pressure data and downloaded external barometric pressure data; and

a communication link between the information remote monitor and the remote center transferring corrected cardiac pressure data.

9. (original) The system of claim 8 further comprising a personal computer interfaced between the information remote monitor and the remote center.

10. *(original)* The system of claim 8 wherein the communication link comprises a modem and a transmission medium.

11. *(original)* The system of claim 8 wherein the implantable medical device executes high resolution data collection upon occurrence of a trigger event selected from a group consisting of a bradycardia trigger, a tachycardia trigger, and a patient activated trigger.

12. *(original)* The system of claim 8 wherein wireless communication between the information remote monitor and the implantable medical device is bi-directional.

13. *(currently amended)* The system of claim 8 wherein the information remote monitor comprises a housing ~~and a detached antenna~~.

14. *(currently amended)* The system of claim 13 wherein the housing ~~comprises a back panel, a front panel and a top structure having~~ includes a slot for installation of the external pressure reference device during download of barometric pressure data.

15. *(currently amended)* The system of claim 13 wherein the housing comprises a detached antenna, a back panel having cradles to support the antenna in a stowed position, and a top structure having the installation slot for the external pressure reference device.

16. *(original)* The system of claim 13 wherein the housing comprises a back panel having a power panel comprising a power cord attachment, a serial data port, and a telephone jack.

17. *(original)* The system of claim 16 further comprising a dialing sequence switch.

18. *(original)* The system of claim 13 wherein the housing comprises a front panel having a user interface panel comprising a power indicator, a first indicator of data

download from the external pressure reference, and a second indicator of data transfer to the remote center.

19. *(currently amended)* The system of claim 8 wherein the information remote monitor simultaneously downloads data from the external pressure reference unit and data from the implantable medical device.

20. *(original)* The system of claim 8 further comprising a personal computer connected to the information remote monitor to control the information remote monitor in programming the implantable medical device.

21. *(original)* The system of claim 8 wherein the information remote monitor includes an internal modem to dial the remote center and transfer data over the communication link in a protocol selected from a group consisting of FTP, PPP and TC/PIP protocols.

22. *(original)* The system of claim 8 wherein the communication link comprises a transfer medium selected from a group consisting of a phone line, a cable modem, an ISD line, and a wireless data transmission system.